

{In Archive} Help addressing QA/QC concerns of the Office model scores

07/13/2007 12:04 PM

Denessa Moses to: Alexandra Sullivan, Alyssa Quarforth

Cc: Michael Zatz

This message has been replied to.

Archive: This message is being viewed in an archive.

	Da Seer Soletoject		
o O	Alexandra Sullivan	07/13/2007 02:04 PM	Re: Help addressing QA/QC co
മ	Denessa Moses	07/13/2007 02:20 PM	Re: Help addressing QA

Alexandra/Aly:

In talking with SRA about the latest round of issues surrounding the questions/answers regarding the Office model scores, I thought it might be helpful if you could provide some details on how you review/test the data once you receive a score comparison report. I just think it might be useful for them to know how the raw data is being used to help them identify some test scenarios when preparing the report.

I've also asked SRA to outline exactly what the next score comparison report will entail (based on our meeting on Thursday). Steve will send that to us on Monday. If possible, I'd like to provide SRA with your testing plan prior to them rerunning the report because I think it will aid their QA/QC process. So, the next report will be delayed, but hopefully we'll get a better quality report.

I know that you are both extremely busy, and that the Office model is not the highest priority on your list right now.

But, I think even a brief narrative would be helpful. Please let me know if and when that's doable.

Thanks, Denessa

{In Archive} Re: Help addressing QA/QC concerns of the Office model scores

Alexandra Sullivan to: Denessa Moses

07/13/2007 02:04 PM

Cc: Alyssa Quarforth, Michael Zatz

Archive:

This message is being viewed in an archive.

	Da&en&aleboject		
e e	Alexandra Sullivan	07/13/2007 02:04 PM	Re: Help addressing QA/QC co
<u> </u>	Denessa Moses	07/13/2007 02:20 PM	Re: Help addressing QA

Denessa:

Here is a brief summary of our initial analyses. Of course, based on these analyses we may choose to run more detailed reports. So, it is difficult to provide a comprehensive list of all tests we will run. The main purpose of our analyses is to understand the score changes for the purposes of messaging.

1. Scoring of buildings (this is the only test that is specifically designed to check for any problems with way things are computed)

Using the attribute and energy data provide in the score change report, we will independently generate scores for several hundred buildings. We will design this sample to include 50 or more buildings in each of the following categories:

- Has only office/bank/court space larger than 50k
- Has only office/bank/court space smaller than 50k
- Is a combination of office/bank/court space and parking garage space. Here, we will test some with only 1 garage, and some with multiple garages (based on the data will be supplied in a second report that details each parking space separately)
- -ls a school with no other primary spaces
- Is a combination of office with another primary space

2. Aggregate Statistics

We will look at the average score change, the average score change by building type, the average score change by size, by worker density, and by other key characteristics. Here, we will compare any observed trends in the data to the changes. For example, by comparing the old office model equation and the new office model equation, we can predict whether larger and small office buildings will be impacted differently by the model change. We can then see whether the average score change for large and small offices bears out this result.

3. Partner Statistics

We will look at statistics for individual partner organizations to understand their changes. If we notice any particular trends for a given organizations, we will try to understand whether that trend is linked to any particular building characteristics. (this analysis is what enabled us to identify the missing buildings).

4. Largest Score Changes

For those buildings that experience very large and atypical score changes, we delve into the data to see if we can understand why. In some cases, this may be because under the old garage equation, there was a building with a very high number of workers. In another instance we found a very small dormitory (i.e. 5000 square feet) with a large number of rooms (i.e. 100). That particular case that does not make physical sense so we are less concerned about the magnitude of the score change. If we were to see seemingly 'normal' buildings with score changes of more than 50 points, we might be concerned about problems in the algorithms.

Again, the main purpose of our review is to prepare our technical and sector specific teams to respond to questions and provide explanations to our partners once the changes have gone live.

I hope this helps,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

{In Archive} Re: Fw: Changes to the Score Comparison report

Alexandra Sullivan to: Denessa Moses

Cc: Alyssa Quarforth

Archive:

This message is being viewed in an archive.

	Da‰er‰denoject		
Â	Alyssa Quarforth	07/16/2007 03:52 PM	Re: Fw: Changes to the Score
3	Alexandra Sullivan	07/17/2007 08:21 AM	Re: Fw: Changes to the Score

Denessa,

This looks good to me. However, I would like to clarify 1 item - please see in Bold below.

Thank you, Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

Denessa Moses/DC/USEPA/US



Denessa Moses/DC/USEPA/US

07/16/2007 03:01 PM

To Alexandra Sullivan/DC/USEPA/US, Alyssa Quarforth/DC/USEPA/US

07/17/2007 08:21 AM

CC

Subject Fw: Changes to the Score Comparison report

Aly, Alexandra:

Please confirm that this is what you're expecting from SRA for the next Office model score comparison report.

Thanks, Denessa

----- Forwarded by Denessa Moses/DC/USEPA/US on 07/16/2007 02:59 PM -----



"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

07/16/2007 02:52 PM

To Denessa Moses/DC/USEPA/US@EPA

CC

Subject Changes to the Score Comparison report

Hi Denessa -

Here are the changes to the comparison report that we will be making. Please confirm that these are the correct changes and additional information requested.

- Parking spaces will be treated individually: i.e. for buildings with more than one Parking space, the assumed energy consumption of each space will be calculated separately, and then added together (rather than combining them into "one big Parking space", which we do for every other space type in the system).
- Dichotomous values: Any attributes that have a "Yes/No" answer, such as "K12_VENTILATED" or "HOSPITAL_TERTIARY", will have an additional column. This column will show the weighted value for the answer, Yes/No where 1 is "Yes", and 0 is "No".
- Parking: there will be an additional column for each building, showing the number of Parking spaces in that building (from 0 to 22).
- Buildings with 11 months of attribute data and 11 months of energy data: instead of comparing the actual 11 months of energy data to the time-weighted 11 months of attribute data, the system will instead extrapolate 12 months of energy data, and compare that to the full 12 months of attribute data. Please clarify "the full 12 months of attribute data". It is my understanding that we should extrapolate the 11 months of energy data to 12 months, and then compare this 12 months of energy data to the 11 months of attribute data. Here, it is assumed that the 11 months of attribute data is the same as 12 months of attribute data (i.e. no attributes are expected to increase or decrease in the 12 month)
- A new report will be added, for buildings with multiple Parking spaces: all buildings that are composed only of Office and Parking spaces, with more than one and less than five Parking spaces, will be listed. The report will show the attributes for each individual Parking space (Total floor space, Enclosed/Non-enclosed/Open floor space, and Hours of access) in its own column.

Thanks, Kristine

Kristine Mikulka

Project Manager kristine mikulka@sra.com 703-284-6913



{In Archive} Fw: Changes to the Score Comparison report

Denessa Moses to: Alyssa Quarforth, Alexandra Sullivan

07/17/2007 09:47 AM

History:

(2)

-7

A

This message has been replied to.

Archive:

This message is being viewed in an archive.

Denessa Moses

Fw: Changes to the Score Comparison report

Alexandra Sullivan

Denessa, Looks good to me.

Alyssa Quarforth

Denessa, I responded to their question about the request for a "# spac

Aly, Alexandra:

See SRA's comment's in Red text in the attached document. Color and text formatting is often stripped away when Email is received at SRA, so yesterday I pasted Aly's Email into a Word doc.

- Denessa

----- Forwarded by Denessa Moses/DC/USEPA/US on 07/17/2007 09:42 AM -----



"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

To Denessa Moses/DC/USEPA/US@EPA

07/17/2007 09:22 AM

CC

Subject RE: Changes to the Score Comparison report

I used your document from yesterday; added in Alexandra's comment and then added in ours in red. I hope all the colors came through. Let me know if they do not.

Thanks, Kristine



Comments from Aly (2).doc

---- Forwarded by Denessa Moses/DC/USEPA/US on 07/16/2007 04:05 PM -----

Alyssa

Quarforth/DC/USEPA/US

To Denessa Moses/DC/USEPA/US@EPA

07/16/2007 03:52 PM

cc Alexandra Sullivan/DC/USEPA/US@EPA

Subject Re: Fw: Changes to the Score Comparison report(1)

Denessa.

There were just a few items I wanted to clarify to the list below. Please see my comments/clarifications in blue below.

Thanks, Aly

---- Forwarded by Denessa Moses/DC/USEPA/US on 07/16/2007 02:59 PM -----

"Mikulka, Kristine"

<Kristine_Mikulka@sra.co</pre>
To Denessa Moses/DC/USEPA/US@EPA

CC

1112

07/16/2007 02:52 PM Subject Changes to the Score Comparison report

Hi Denessa -

Here are the changes to the comparison report that we will be making. Please confirm that these are the correct changes and additional information requested.

- Parking spaces will be treated individually: i.e. for buildings with more than one Parking space, the assumed energy consumption of each space will be calculated separately, and then added together (rather than combining them into "one big Parking space", which we do for every other space type in the system).
- Dichotomous values: Any attributes that have a "Yes/No" answer, such as "K12_VENTILATED" or "HOSPITAL_TERTIARY", will have an additional column. This column will show the weighted value for the answer, Yes/No where 1 is "Yes", and 0 is "No". Would it be possible to provide a column that just lists the number of primary spaces that are present in each building? This might be helpful especially if there are 2 of the same primary spaces in the same building. In most cases it can usually be inferred through the other columns that more than one space exists however having a column that indicates the number of primary spaces would be helpful in some of our evaluations/analyses.

SRA Comments:

Does if "a column that just lists the number of primary spaces that are present in each building" mean:

A) One column for each building

B) One column for each primary space type

I.E. - if a building has, say, two Offices and a K-12 space in it, does she want a single column listing 3 primary space, or two columns - one showing 2 Offices, and one showing 1 K-12? I'm assuming it's the latter - but that will take more time to put together.

- Parking: there will be an additional column for each building, showing the number of Parking spaces in that building (from 0 to 22).
- -Buildings with 11 months of attribute data and 11 months of energy data: instead of comparing the actual 11 months of energy data to the time-weighted 11 months of attribute data, the system will instead extrapolate 12 months of energy data, and compare that to the full 12 months of attribute data.

 [Alexandra: Please clarify "the full 12 months of attribute data". It is my understanding that we should extrapolate the 11 months of energy data to 12 months, and then compare this 12 months of energy data to the 11 months of attribute data. Here, it is assumed that the 11 months of attribute data is the same as 12 months of attribute data (i.e. no attributes are expected to increase or decrease in the 12 month)]

SRA Comments:

Yes, that's our interpretation also. For an example:

Assume a building with a period ending date of 12/31/2006.

The meter data covers from 2/1/2006 to 12/31/2006. When determining the rating, the system will extrapolate those 11 months out to 12 months when calculating the non-weather normalized source energy consumption.

The Gross Floor Area is entered as 100,000 sq ft, with an effective date of 2/1/2006. The system will consider the building to have 100,000 sq ft when calculating the Predicted Energy Consumption.

- A new report will be added, for buildings with multiple Parking spaces: all buildings that are composed only of **ONE** Office **Space** (and no other primary or secondary spaces besides parking) and Parking spaces, with more than one and less than five Parking spaces, will be listed. The report will show the attributes for each individual Parking space (Total floor space, Enclosed/Non-enclosed/Open floor space, and Hours of access) in its own column.

{In Archive} Re: Fw: Changes to the Score Comparison report

Alexandra Sullivan to: Denessa Moses

Cc: Alyssa Quarforth

A	rchive: I nis mess	sage is being viewed in an archive.
20	Denessa Moses	Fw: Changes to the Score Comparison report
3	Alexandra Sullivan	Denessa, Looks good to me.
2	Alyssa Quarforth	Denessa, I responded to their question about the request for a "# spac

Denessa.

Looks good to me.

(Aly - please respond to their question about primary spaces/counting. This is directly related to the scoring that you will do, so I figure it is most appropriate for you to answer).

Thanks.

Alexandra Sullivan

U.S. EPA **ENERGY STAR** Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

Denessa Moses/DC/USEPA/US



Moses/DC/USEPA/US 07/17/2007 09:47 AM

To Alyssa Quarforth/DC/USEPA/US, Alexandra Sullivan/DC/USEPA/US

07/17/2007 09:52 AM

Subject Fw: Changes to the Score Comparison report

Aly, Alexandra:

See SRA's comment's in Red text in the attached document. Color and text formatting is often stripped away when Email is received at SRA, so yesterday I pasted Aly's Email into a Word doc.

- Denessa

---- Forwarded by Denessa Moses/DC/USEPA/US on 07/17/2007 09:42 AM -----



"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

To Denessa Moses/DC/USEPA/US@EPA

07/17/2007 09:22 AM

Subject RE: Changes to the Score Comparison report

I used your document from yesterday; added in Alexandra's comment and then added in ours in red. I hope all the colors came through. Let me know if they do not.

Thanks, Kristine



Comments from Aly (2).doc

{In Archive} Re: Fw: Changes to the Score Comparison report

Alyssa Quarforth to: Denessa Moses

07/17/2007 09:57 AM

Cc: Alexandra Sullivan

Archive:

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/ 1	Triis mess	sage is being viewed in an archive.
2	Denessa Moses	Fw: Changes to the Score Comparison report
9	Alexandra Sullivan	Denessa, Looks good to me.
23	Alyssa Quarforth	Denessa, I responded to their question about the request for a "# space

Denessa,

I responded to their question about the request for a "# spaces" column. Please see the attached word document.

Thanks, Aly



Comments from Aly (3).doc

Alyssa Quarforth
US EPA
ENERGY STAR
Mail Code: 6202J
Washington DC 20460
202.343.9604
Quarforth.Alyssa@epa.gov
Denessa Moses/DC/USEPA/US



Denessa Moses/DC/USEPA/US 07/17/2007 09:47 AM

To Alyssa Quarforth/DC/USEPA/US, Alexandra Sullivan/DC/USEPA/US

CC

Subject Fw: Changes to the Score Comparison report

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"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

To Denessa Moses/DC/USEPA/US@EPA



07/17/2007 09:22 AM

CC

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Comments from Aly (2).doc

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Alyssa

Quarforth/DC/USEPA/USToDenessa Moses/DC/USEPA/US@EPA07/16/2007 03:52 PMccAlexandra Sullivan/DC/USEPA/US@EPA

Subject Re: Fw: Changes to the Score Comparison report(1)

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"Mikulka, Kristine"

<Kristine_Mikulka@sra.co</pre>
To Denessa Moses/DC/USEPA/US@EPA

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SRA Comments:

Does if "a column that just lists the number of primary spaces that are present in each building" mean:

A) One column for each building

Or

B) One column for each primary space type

I.E. - if a building has, say, two Offices and a K-12 space in it, does she want a single column listing 3 primary space, or two columns - one showing 2 Offices, and one showing 1 K-12? I'm assuming it's the latter - but that will take more time to put together.

Aly – I meant, if the building has two offices and one k-12 space in it, the new "# spaces" column would show a "3". I would be able to infer from the other columns that the break-down is two (offices) and one (k-12).

- Parking: there will be an additional column for each building, showing the number of Parking spaces in that building (from 0 to 22).
- Buildings with 11 months of attribute data and 11 months of energy data: instead of comparing the actual 11 months of energy data to the time-weighted 11 months of attribute data, the system will instead extrapolate 12 months of energy data, and compare that to the full 12 months of attribute data.

 [Alexandra: Please clarify "the full 12 months of attribute data". It is my understanding that we should extrapolate the 11 months of energy data to 12 months, and then compare this 12 months of energy data to the 11 months of attribute data. Here, it is assumed that the 11 months of attribute data is the same as 12 months of attribute data (i.e. no attributes are expected to increase or decrease in the 12 month)]

SRA Comments:

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Assume a building with a period ending date of 12/31/2006.

The meter data covers from 2/1/2006 to 12/31/2006. When determining the rating, the system will extrapolate those 11 months out to 12 months when calculating the non-weather normalized source energy consumption.

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{In Archive} Fw: Question on multiple parking report

Denessa Moses to: Alyssa Quarforth, Alexandra Sullivan

This message is being viewed in an archive.

07/23/2007 02:37 PM

Daster fallabject				
â	Alyssa Quarforth	07/23/2007 02:58 PM	Re: Fw: Question on multiple p	

---- Forwarded by Denessa Moses/DC/USEPA/US on 07/23/2007 02:36 PM -----



"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

To Denessa Moses/DC/USEPA/US@EPA

07/23/2007 02:31 PM

CC

Subject Question on multiple parking report

Hi Denessa -

On the new score comparison report concerning Office buildings with multiple Parking spaces: can you please have Alexandra and Alyssa specify which fields they would like on that spreadsheet?

o We assume they would like the following attribute columns:

Office Floor Space Office Hours Office Occupants Office PCs

o We assume they would like the following columns for each Parking space:

Parking Total Flsp Parking Hours Parking Enclosed Parking Non-Enclosed Parking Open

o Do they need columns for Office % Heated and % A/C (since these are always 100)?

Additional possible fields are listed below:

Building ID Old Score New Score

Delta Score BLDG_OWNER_NAME PM_SURVEY_ORG_NAME BDA_USERID BDA_NAME BDA_EMAIL LABEL_OWNER_ORG_NAME LABEL PROPMGR_NAME ZIP Code Total Sq Ft (w/o Parking) Total Sq Ft (w/Parking) Building Type Label (Y/N) Label Year(s) Total Site Energy Old NWN Source **NWN Source** New WN Source Parking Number of Workers CDD HDD Number of Parking spaces Number of Primary spaces

Thanks, Kristine

Kristine Mikulka

Project Manager <u>kristine mikulka@sra.com</u> 703-284-6913 Hi Kristine:

{In Archive} Re: Fw: Question on multiple parking report

Alyssa Quarforth to: Denessa Moses, Kristine_Mikulka

Cc: Alexandra Sullivan

Archive:

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	Da&er& Metroject		
à	Alyssa Quarforth	07/23/2007 02:58 PM	Re: Fw: Question on multiple p

Kristine.

The reason we want this information is so we can re-score office buildings that contain garages/parking to double check that the garage model is working properly and that is not a contributor to large score changes. With that said, we would at the very least need Building ID, HDD, CDD, and NWN Source. Would it be possible for you to send us all of the information that is listed below? Please note for this specific report, please only include offices that have one primary space (office) and one or more parking spaces.

Office Floor Space

Office Hours

Office Occupants

Office PCs

Parking Total Flsp

Parking Hours

Parking Enclosed

Parking Non-Enclosed

Parking Open

Building ID

Old Score

New Score

Delta Score

BLDG_OWNER_NAME PM_SURVEY_ORG_NAME

BDA_USERID

BDA NAME

BDA EMAIL

LABEL_OWNER_ORG_NAME

LABEL_PROPMGR_NAME

ZIP Code

Total Sq Ft (w/o Parking)

Total Sq Ft (w/Parking)

Building Type

Label (Y/N)

Label Year(s)

Total Site Energy

Old NWN Source

NWN Source

New WN Source

Parking Number of Workers

CDD

07/23/2007 02:58 PM

HDD Number of Parking spaces Number of Primary spaces Office % heated and % cooled

Thanks, Aly

Alyssa Quarforth
US EPA
ENERGY STAR
Mail Code: 6202J
Washington DC 20460
202.343.9604
Quarforth.Alyssa@epa.gov
Denessa Moses/DC/USEPA/US



Denessa Moses/DC/USEPA/US 07/23/2007 02:37 PM

To Alyssa Quarforth/DC/USEPA/US, Alexandra Sullivan/DC/USEPA/US

CC

Subject Fw: Question on multiple parking report

---- Forwarded by Denessa Moses/DC/USEPA/US on 07/23/2007 02:36 PM -----



"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

To Denessa Moses/DC/USEPA/US@EPA

07/23/2007 02:31 PM

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Parking Open

o Do they need columns for Office % Heated and % A/C (since these are always 100)?

Additional possible fields are listed below:

Building ID Old Score New Score Delta Score BLDG_OWNER_NAME PM_SURVEY_ORG_NAME BDA_USERID BDA_NAME BDA_EMAIL LABEL_OWNER_ORG_NAME LABEL_PROPMGR NAME ZIP Code Total Sq Ft (w/o Parking) Total Sq Ft (w/Parking) **Building Type** Label (Y/N) Label Year(s) Total Site Energy Old NWN Source **NWN Source** New WN Source Parking Number of Workers CDD HDD

Thanks, Kristine

Kristine Mikulka

Number of Parking spaces Number of Primary spaces

Project Manager <u>kristine mikulka@sra.com</u> 703-284-6913 Hi Kristine:

{In Archive} Modification of Office Model Changes

Alexandra Sullivan to: Denessa Moses

Cc: Alyssa Quarforth, Michael Zatz

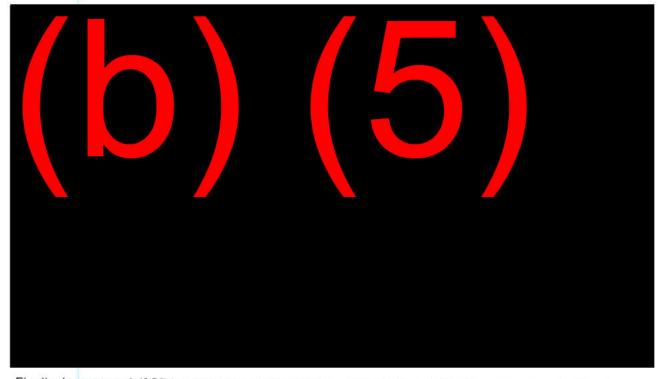
This message is being viewed in an archive.

Da % e	r Collado ject
d ki	

07/26/2007 11:24 AM

Denessa,

Archive:



Finally, I want to ask if SRA can send over (ASAP) the current look-up tables for each space in PM. I can get these off of Emacs, but I know that Emacs is several years old. Also, on Emacs they are in units of LN(SourceEnergy), whereas, my understanding from some of Steve Murrays past communications is that the actual tables on the server may be in units of Source Energy. If we have the tables as they are being used, that will enable us to provide the clearest direction as to the changes.

Thank you,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov



{In Archive} FW: Modification of Office Model Changes Mikulka, Kristine

to:

Alexandra Sullivan 07/27/2007 09:39 AM

Cc:

Denessa Moses Hide Details

From: "Mikulka, Kristine" < Kristine_Mikulka@sra.com>

To: Alexandra Sullivan/DC/USEPA/US@EPA, Cc: Denessa Moses/DC/USEPA/US@EPA History: This message has been replied to.

Archive: This message is being viewed in an archive.

1 Attachment



Lookup tables 20070726.xls

Hi Alexandra -

Denessa gave me a call and asked me to forward this on to you.

Thanks, Kristine

Kristine Mikulka

Project Manager kristine mikulka@sra.com 703-284-6913

From: Mikulka, Kristine

Sent: Thursday, July 26, 2007 4:15 PM **To:** 'Moses.Denessa@epamail.epa.gov'

Subject: RE: Modification of Office Model Changes

Denessa -

I have attached a spreadsheet with the current lookup tables for all non-Office space types in the database. Please let me know if you need anything

Thanks, Kristine

```
----Original Message----
From: Moses.Denessa@epamail.epa.gov [mailto:Moses.Denessa@epamail.epa.gov]
Sent: Thursday, July 26, 2007 11:59 AM
To: Mikulka, Kristine
Subject: Fw: Modification of Office Model Changes

----- Forwarded by Denessa Moses/DC/USEPA/US on 07/26/2007 11:58 AM
----- Alexandra
```

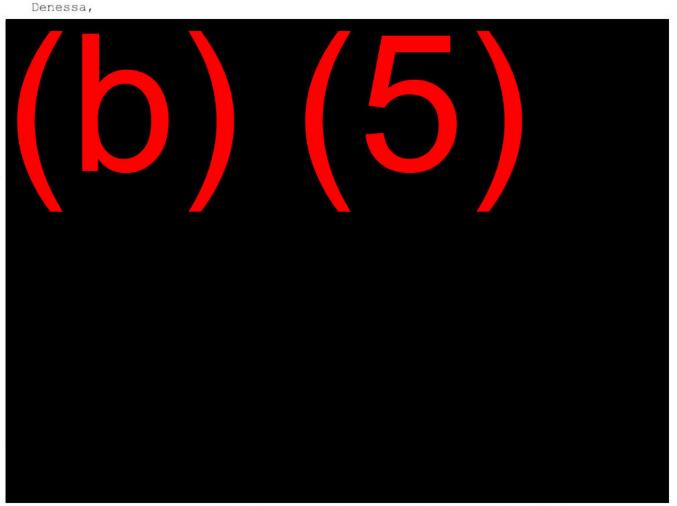
To

Sullivan/DC/USEP A/US

07/26/2007 11:24 AM Denessa Moses/DC/USEPA/US@EPA cc Alyssa Quarforth/DC/USEPA/US@EPA,

Michael Zatz/DC/USEPA/US@EPA
Subject
Modification of Office Model

.



Changes

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Thank you,

Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov



{In Archive} Re: FW: Modification of Office Model Changes

Alexandra Sullivan to: Mikulka, Kristine Cc: Denessa Moses, Alyssa Quarforth

07/27/2007 01:19 PM

Archive:

This message is being viewed in an archive.

ڪ	Mikulka, Kristine	FW: Modification of Office Model Changes	
9	Alexandra Sullivan	Kris, Thank you for the lookup tables. We have decided to move forw	
0	Denessa Moses	Alexandra, Aly: FYI, Kristine said they expect to send the score of	
3	Alexandra Sullivan	Great, Thanks. As I noted in the email, I actually think it w	

1 attachment



Lookup_tables_20070726.xls

Kris,

Thank you for the lookup tables.

We have decided to move forward with this change, and we will provide you new tables by COB on Monday (July 30).

We would still like to see the score change report that was forecasted to be complete today. Ultimately a comparison between that report, and the new report that you will run with the new lookup tables will help us to assess the impact of the change to the lookup tables (and allow us confirm that we want to go live with the new lookup tables).

Please let me know if you would like to discuss this over the phone.

Thank you, Alexandra Sullivan

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ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov
-----"Mikulka, Kristine" <Kristine_Mikulka@sra.com> wrote: -----

To: Alexandra Sullivan/DC/USEPA/US@EPA

From: "Mikulka, Kristine" < Kristine_Mikulka@sra.com>

Date: 07/27/2007 09:39AM

cc: Denessa Moses/DC/USEPA/US@EPA

Subject: FW: Modification of Office Model Changes

Hi Alexandra?

Denessa gave me a call and asked me to forward this on to you.

Thanks, Kristine

Kristine Mikulka

Project Manager

kristine mikulka@sra.com

703-284-6913

From: Mikulka, Kristine

Sent: Thursday, July 26, 2007 4:15 PM **To:** 'Moses.Denessa@epamail.epa.gov'

Subject: RE: Modification of Office Model Changes

Denessa -

I have attached a spreadsheet with the current lookup tables for all non-Office space types in the database. Please let me know if you need anything

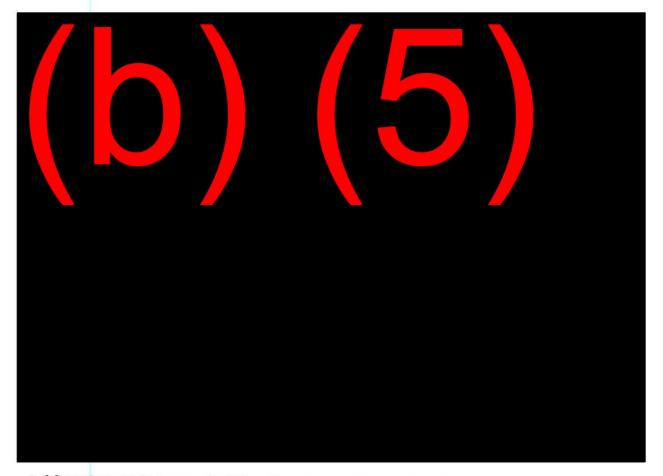
Thanks, Kristine

Alexandra

A/US To

07/26/2007 11:24 cc

Michael Zatz/DC/USEPA/US@EPA
Modification of Office Model



tables for each space in PM. I can get these off of Emacs, but I know LN(SourceEnergy), whereas, my understanding from some of Steve Murrays units of Source Energy. If we have the tables as they are being used,

U.S. EPA

Mail Code 6202J

Washington , DC20460 sullivan.alexandra@epa.gov



[In Archive] Re: FW: Modification of Office Model Changes

Denessa Moses to: Alexandra Sullivan Cc: Alyssa Quarforth, "Mikulka, Kristine"

07/27/2007 01:34 PM

Archive:

This message has been replied to.

This message is being viewed in an archive.

	Da&er&debject			
_ I	Alexandra Sullivan	07/27/2007 01:19 PM	©	Re: FW: Modification of Office
2	Denessa Moses	07/27/2007 01:34 PM	4	Re: FW: Modification of
⊡	Alexandra Sullivan	07/27/2007 02:26 PM		Re: FW: Modificat

Alexandra, Aly:

FYI, Kristine said they expect to send the score change report by COB today, Fri.

- Denessa Alexandra Sullivan/DC/USEPA/US



Alexandra Sullivan/DC/USEPA/US 07/27/2007 01:19 PM

To "Mikulka, Kristine" < Kristine_Mikulka@sra.com>

CC Denessa Moses/DC/USEPA/US@EPA, Alyssa Quarforth/DC/USEPA/US@EPA

Subject Re: FW: Modification of Office Model Changes

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Please let me know if you would like to discuss this over the phone.

Thank you,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460

202.343.9040 sullivan.alexandra@epa.gov

-----"Mikulka, Kristine" <Kristine_Mikulka@sra.com> wrote: -----

To: Alexandra Sullivan/DC/USEPA/US@EPA

From: "Mikulka, Kristine" < Kristine_Mikulka@sra.com>

Date: 07/27/2007 09:39AM

cc: Denessa Moses/DC/USEPA/US@EPA

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Kristine Mikulka

Project Manager

kristine mikulka@sra.com

703-284-6913

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Subject: RE: Modification of Office Model Changes

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Alexandra

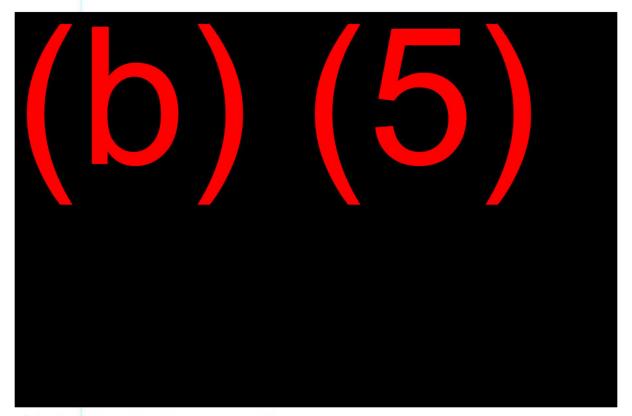
A/US

To

07/26/2007 11:24

CC

Michael Zatz/DC/USEPA/US@EPA
Modification of Office Model



is currently finalizing is still very useful as we try to wrap up these

tables for each space in PM. I can get these off of Emacs, but I know

LN(SourceEnergy), whereas, my understanding from some of Steve Murrays units of Source Energy. If we have the tables as they are being used,

U.S. EPA

Mail Code 6202J

Washington , DC20460

sullivan.alexandra@epa.gov



{In Archive} Re: FW: Modification of Office Model Changes

Alexandra Sullivan to: Denessa Moses

07/27/2007 02:26 PM

This message is being viewed in an archive.

Daßerßiebeject				
~ 3	Alexandra Sullivan	07/27/2007 01:19 PM	Ø	Re: FW: Modification of Office
മ	Denessa Moses	07/27/2007 01:34 PM	4	Re: FW: Modification of
IJ.	Alexandra Sullivan	07/27/2007 02:26 PM		Re: FW: Modificat

Great, Thanks.

As I noted in the email, I actually think it will be very helpful to have that report and also a report with the new lookup tables, because we can compare the results between the two in order to understand the change to the lookup tables (and, make sure we've made the right lookup table decision).

Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov
-----Denessa Moses/DC/USEPA/US wrote: -----

To: Alexandra Sullivan/DC/USEPA/US From: Denessa Moses/DC/USEPA/US

Date: 07/27/2007 01:34PM

cc: Alyssa Quarforth/DC/USEPA/US@EPA, "Mikulka, Kristine" <Kristine_Mikulka@sra.com>

Subject: Re: FW: Modification of Office Model Changes

Alexandra, Aly:

FYI, Kristine said they expect to send the score change report by COB today, Fri.

- Denessa

Alexandra Sullivan/DC/USEPA/US

Alexandra Sullivan/DC/USEPA/US

07/27/2007 01:19 PM

To"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

ccDenessa Moses/DC/USEPA/US@EPA, Alyssa Quarforth/DC/USEPA/US@EPA

SubjectRe: FW: Modification of Office Model

Changes

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Thank you for the lookup tables.

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Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040_ sullivan.alexandra@epa.gov

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From: "Mikulka, Kristine" < Kristine_Mikulka@sra.com>

Date: 07/27/2007 09:39AM

cc: Denessa Moses/DC/USEPA/US@EPA

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Kristine Mikulka

Project Manager

kristine mikulka@sra.com

703-284-6913

From: Mikulka, Kristine

Sent: Thursday, July 26, 2007 4:15 PM **To:** 'Moses.Denessa@epamail.epa.gov'

Subject: RE: Modification of Office Model Changes

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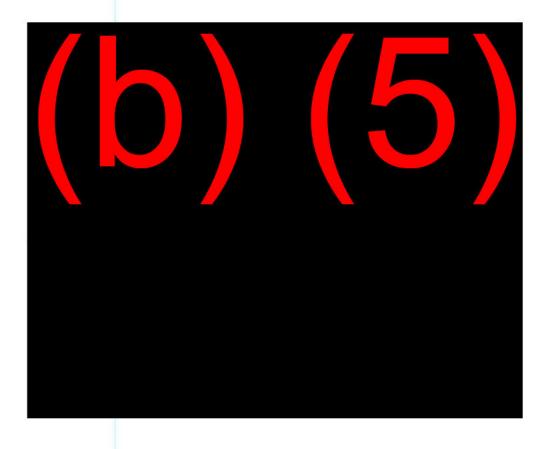
Alexandra

A/US To

07/26/2007 11:24 cc

Michael Zatz/DC/USEPA/US@EPA

Modification of Office Model



decision on our part comes out of our review of the previous score is currently finalizing is still very useful as we try to wrap up these tables for each space in PM. I can get these off of Emacs, but I know LN(SourceEnergy), whereas, my understanding from some of Steve Murrays units of Source Energy. If we have the tables as they are being used,

U.S. EPA

Mail Code 6202J

Washington, DC20460

sullivan.alexandra@epa.gov



{In Archive} RE: FW: Modification of Office Model Changes

Mikulka, Kristine to: Denessa Moses, Alexandra Sullivan, Alyssa Quarforth

07/27/2007 03:37 PM

History:

This message has been forwarded.

Archive:

This message is being viewed in an archive.

Das	eer®aleeroject
a	

Hello!

I have put the link below for the new comparison report. As always please let me know if you have any questions.

Have a good weekend everyone! Kristine

http://esstaging.sradev.com/istar/pmpam/distro/sc_20070726.zip

Kristine Mikulka Project Manager kristine mikulka@sra.com 703-284-6913

----Original Message----

From: Moses.Denessa@epamail.epa.gov [mailto:Moses.Denessa@epamail.epa.gov] Sent: Friday, July 27, 2007 1:35 PM To: Sullivan.Alexandra@epamail.epa.gov

Cc: Quarforth.Alyssa@epamail.epa.gov; Mikulka,

Kristine

Subject: Re: FW: Modification of Office Model Changes

Alexandra, Aly: FYI, Kristine said they expect to send the score

change report by COB today, Fri.

- Denessa

Alexandra Sullivan/DC/USEP A/US

To

"Mikulka,

Kristine"

07/27/2007 01:19

<Kristine_Mikulka@sra.com>

PM

CC

Denessa

Moses/DC/USEPA/US@EPA,

Alyssa

Quarforth/DC/USEPA/US@EPA

Subject

Re: FW:

Modification of Office

Model

Changes (Document link:

Denessa Moses)

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We have decided to move forward with this change, and we will provide you new tables by COB on Monday (July 30).

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----"Mikulka, Kristine" <Kristine_Mikulka@sra.com>wrote: ----

To: Alexandra Sullivan/DC/USEPA/US@EPA

From: "Mikulka, Kristine" <Kristine_Mikulka@sra.com>

Date: 07/27/2007 09:39AM

cc: Denessa Moses/DC/USEPA/US@EPA

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Project Manager

kristine_mikulka@sra.com

703-284-6913

From: Mikulka, Kristine

Sent: Thursday, July 26, 2007 4:15 PM To: 'Moses.Denessa@epamail.epa.gov'

Subject: RE: Modification of Office Model Changes

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Alexandra

A/US

To

07/26/2007 11:24

CC

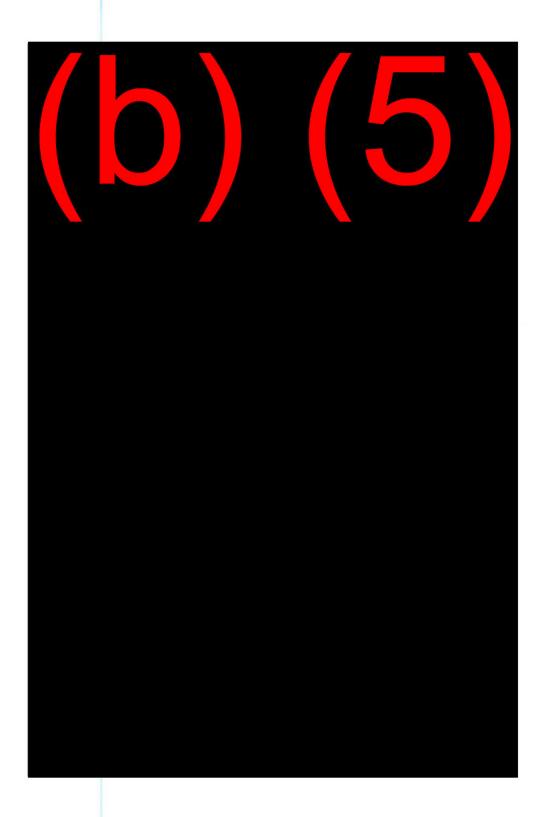
Michael

Zatz/DC/USEPA/US@EPA

Modification

of Office Model





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LN(SourceEnergy), whereas, my understanding from some of Steve Murrays

units of Source Energy. If we have the tables as they are being used,

U.S. EPA

Mail Code 6202J

Washington , DC20460

sullivan.alexandra@epa.gov



{In Archive} RE: Eligibility Checks for Offices Receiving a Rating in PM

Mikulka, Kristine to: Alyssa Quarforth

08/09/2007 05:06 PM

Archive:

Cc: Denessa Moses, Alexandra Sullivan
This message is being viewed in an archive.

் 및 Mikulka, Kristine RE: Eligibility Checks for Offices Receiving a Rating in PM

1 attachment



elibility_20070706.xls

Aly -

See our answers below with an [A] in front.

Please let me know if you have any questions or how you would like us to proceed.

Thanks, Kristine

----Original Message----

From: Quarforth.Alyssa@epamail.epa.gov [mailto:Quarforth.Alyssa@epamail.epa.gov] Sent: Thursday, August 09, 2007 4:09 PM

To: Mikulka, Kristine

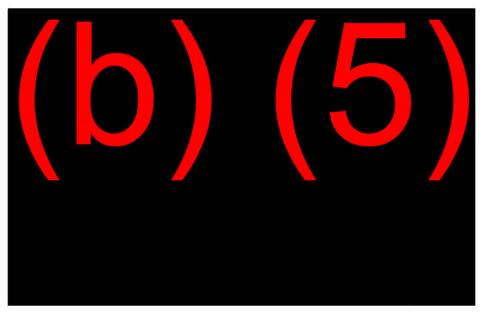
Cc: Moses.Denessa@epamail.epa.gov;
Sullivan.Alexandra@epamail.epa.gov

Subject: Eligibility Checks for Offices Receiving a

Rating in PM

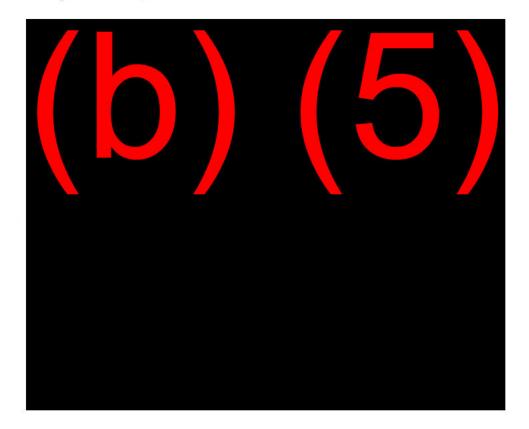
Kristine,





[A] Please note that if we are given the go ahead to move forward with incorporating the new eligibility rulesets into the comparison report we will need a couple of days to get the report back to you.

[A] We have attached the eligibility ruleset report showing the facilities that would fail if these checks were in place on the comparison report.



Let me know if you would like me to send you a file of building IDs.

Thanks, Aly

Alyssa Quarforth
US EPA
ENERGY STAR
Mail Code: 6202J
Washington DC 20460
202.343.9604
Quarforth.Alyssa@epa.gov

{In Archive} RE: Eligibility Checks for Offices Receiving a Rating in PM Alyssa Quarforth to: Mikulka, Kristine 08/13/2007 11:03 AM Cc: Alexandra Sullivan, Denessa Moses Archive: This message is being viewed in an archive. Alyssa Quarforth Kristine, I have attached a list of example buildings that I pulled from the

Kristine,

I have attached a list of example buildings that I pulled from the most recent score change report that shows a number of facilities that are still receiving a rating even though they have reported zero worker hours or zero pcs. These offices only have one primary space (the "office") and no secondary spaces. While I agree that we still need to make decisions on eligibility rules for those facilities that have more than one space, the current eligibility rules seem to not be working for those facilities that only contain one space.





Example_problembuildings.xls

Thanks, Aly

Alyssa Quarforth
US EPA
ENERGY STAR
Mail Code: 6202J
Washington DC 20460
202.343.9604
Quarforth.Alyssa@epa.gov
"Mikulka, Kristine" < Kristine_Mikulka@sra.com>



"Mikulka, Kristine" <Kristine_Mikulka@sra.com> 08/09/2007 05:06 PM

To Alyssa Quarforth/DC/USEPA/US@EPA

CC Denessa Moses/DC/USEPA/US@EPA, Alexandra Sullivan/DC/USEPA/US@EPA

Subject RE: Eligibility Checks for Offices Receiving a Rating in PM

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Thanks, Kristine

----Original Message----

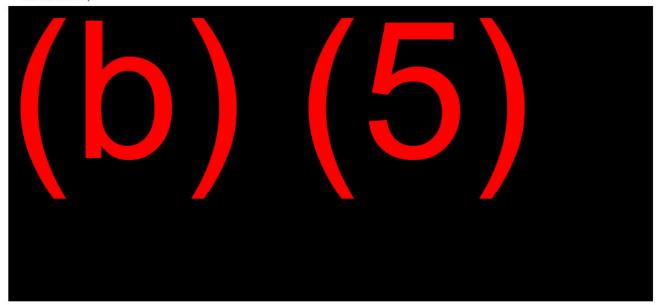
From: Quarforth.Alyssa@epamail.epa.gov [mailto:Quarforth.Alyssa@epamail.epa.gov] Sent: Thursday, August 09, 2007 4:09 PM

To: Mikulka, Kristine

Cc: Moses.Denessa@epamail.epa.gov; Sullivan.Alexandra@epamail.epa.gov

Subject: Eligibility Checks for Offices Receiving a Rating in PM

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(b) (5)

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Mail Code: 6202J
Washington DC 20460
202.343.9604
Quarforth.Alyssa@epa.gov

elibility_20070706.xls



{In Archive} RE: Eligibility Checks for Offices Receiving a Rating in PM

Mikulka, Kristine to: Alyssa Quarforth Cc: Alexandra Sullivan, Denessa Moses

08/14/2007 12:37 PM

rchive: This message is t

This message is being viewed in an archive.

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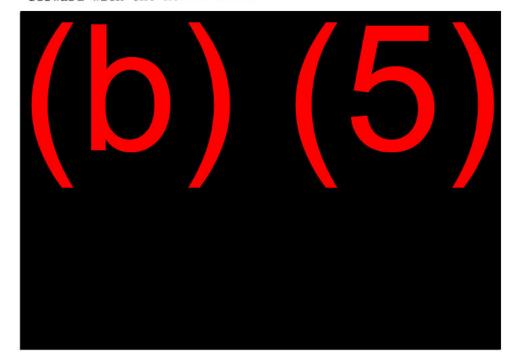
Aly -

The buildings that have a value of "0" for Operating Hours/Week are buildings that have no entry in the database at all for that attribute. (I.e. there's no record with a value of "0" - there's no record at all.) These are all old buildings created in 2004 (or earlier) and converted from the previous version of PM. It is possible the Office space type did not have an attribute for Hours back then and since the buildings have not been touched or updated since that time the system has not flagged the user to make the correction. So, when the system walks through the attributes to make sure they all fall in-between the upper and lower bounds it doesn't find any entry at all. Therefore, it never performs the check, because it doesn't have anything to check. Since the check is not performed, the building does not fail.





Please note: All the buildings that asked about are flagged in the spreadsheet sent in the beginning of July (attached). So, these facilities would not get a rating if the decision was made to move forward with the new ruleset.



Please let me know if you have any other questions.

Thanks, Kristine

Kristine Mikulka Project Manager kristine mikulka@sra.com 703-284-6913

----Original Message----

From: Quarforth.Alyssa@epamail.epa.gov [mailto:Quarforth.Alyssa@epamail.epa.gov] Sent: Monday, August 13, 2007 11:04 AM To: Mikulka, Kristine

Cc: Sullivan.Alexandra@epamail.epa.gov;

Moses.Denessa@epamail.epa.gov

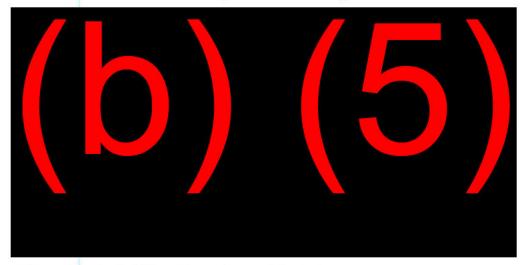
Subject: RE: Eligibility Checks for Offices Receiving

a Rating in PM

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(See attached file: Example_problembuildings.xls)

Thanks, Aly

Alyssa Quarforth US EPA ENERGY STAR

Mail Code: 6202J Washington DC 20460

202.343.9604

Quarforth.Alyssa@epa.gov

"Mikulka, Kristine" <Kristine Mikulk

08/09/2007 05:06

To

a@sra.com> Alyssa

Quarforth/DC/USEPA/US@EPA

Denessa

Moses/DC/USEPA/US@EPA,

Alexandra

Sullivan/DC/USEPA/US@EPA

Subject

Checks for

Receiving a Rating in PM

RE: Eligibility

Offices

Aly -

See our answers below with an [A] in front.

Please let me know if you have any questions or how you would like us to proceed.

Thanks, Kristine

----Original Message----

From: Quarforth.Alyssa@epamail.epa.gov [mailto:Quarforth.Alyssa@epamail.epa.gov] Sent: Thursday, August 09, 2007 4:09 PM

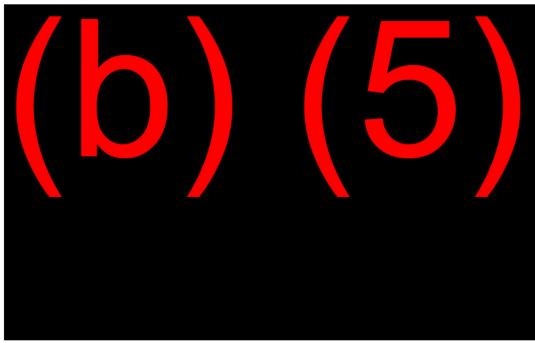
To: Mikulka, Kristine

Cc: Moses.Denessa@epamail.epa.gov; Sullivan.Alexandra@epamail.epa.gov

Subject: Eligibility Checks for Offices Receiving a

Rating in PM

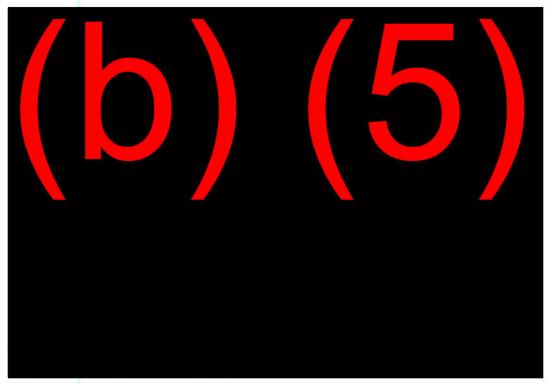
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Alyssa Quarforth US EPA ENERGY STAR

Mail Code: 6202J Washington DC 20460 202.343.9604

Quarforth.Alyssa@epa.gov (See attached file: elibility_20070706.xls)

{In Archive} Fw: Office Score Change Report Summaries

Alyssa Quarforth to: Alexandra Sullivan

08/17/2007 04:30 PM

Archive:

This message is being viewed in an archive.

(3)	Aly	ssa Quarforth	Fw: Office Score Change Report Summaries	
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I dont want to overwhelm you with emails and forwards with attachments so I am trying to pick and choose what I forward on. See attached for summary stats on Office Score changes given new adjusted lookup tables.

Aly

Alyssa Quarforth
US EPA
ENERGY STAR
Mail Code: 6202J
Washington DC 20460
202.343.9604
Quarforth.Alyssa@epa.gov

----- Forwarded by Alyssa Quarforth/DC/USEPA/US on 08/17/2007 04:28 PM -----



"Lisauskas, Sara" <SLisauskas@icfi.com> 08/17/2007 03:47 PM

To Alyssa Quarforth/DC/USEPA/US@EPA

CC

Subject RE: Question about office score change report

Aly,

Here is another version of the summary tables that I sent you earlier in the week. I think the average score change and the label statistics that you need should be included in the Grand Total row in the first table, which was included in the original version of the file. I also added another table just below that one that includes the number/percent of buildings with score increases or decreases. If there is anything else that you are missing, let me know. I'm still working on the other aspects of the analysis that we discussed on Wednesday, and hope to have some partner reports for you by the end of the day.

The memo you sent on the refrigeration coefficients was very helpful. I think I am good on that for now.

Sara

----Original Message----

From: Quarforth.Alyssa@epamail.epa.gov [mailto:Quarforth.Alyssa@epamail.epa.gov] Sent: Friday, August 17, 2007 12:24 PM

To: Lisauskas, Sara

Subject: Question about office score change report

Sara,

Did you happen to compute the aggregate statistics again for the August Score Change report (new lookup tables)? I know last week you sent me a summary of the aggregate statistics based on the report from 07-26-07 but was wondering if you did this again for the August report. Specifically I am looking for aggregate statistics for all buildings including:

- average score change

- number/percent of buildings with score increase -number/percent of buildings with score decrease -number/percent of buildings with no score change

- label statistics for the aggregate

Perhaps this information was already given to me and I just missed it....



Aly

Alyssa Quarforth US EPA ENERGY STAR Mail Code: 6202J Washington DC 20460 202.343.9604 Quarforth.Alyssa@epa.gov



score_comparison_20070801 v2 · Summary Tables · revised.xls

{In Archive} Two Questions - Score Change Report

Alexandra Sullivan to: Kristine_Mikulka

Cc: Denessa Moses, Alyssa Quarforth

Archive:

This message is being viewed in an archive.

Da % e	er fisherbject	
TO AL		

08/22/2007 01:17 PM

Kris,

I have two questions for you, as we continue with our evaluation of the score change report:

- 1 Is it possible to get the period ending date that corresponds with the ratings you've provided (i.e. just a list of all building ids in the score change report along with the period ending date used)? If this can be pulled easily, then we would appreciate it. If it requires a bigger effort or re-running of everything, then let us know first as we will see if we can do without.
- 2 Could you please send the table that matches 3-year zipcode prefixes with 30-year average HDD and CDD?

This will help us evaluate the impact of our change to the as-exprienced HDD and CDD values.

Thank you,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov



{In Archive} RE: Two Questions - Score Change Report

Mikulka, Kristine to: Alexandra Sullivan Cc: Denessa Moses, Alyssa Quarforth 08/22/2007 02:36 PM

History:

This message has been replied to.

Archive:

This message is being viewed in an archive.

Da Sæn Saledoject

Alexandra Sullivan

08/22/2007 02:37 PM

RE: Two Questions - Score Ch

Alexandra -

For item 1, we can easily pull that data. We will send you both by COB tomorrow.

Thanks, Kristine

----Original Message----

From: Sullivan.Alexandra@epamail.epa.gov [mailto:Sullivan.Alexandra@epamail.epa.gov] Sent: Wednesday, August 22, 2007 1:18 PM

To: Mikulka, Kristine

Cc: Moses.Denessa@epamail.epa.gov; Quarforth.Alyssa@epamail.epa.gov

Subject: Two Questions - Score Change Report

Kris,

I have two questions for you, as we continue with our evaluation of the score change report:

1 - Is it possible to get the period ending date that corresponds with the ratings you've provided (i.e. just a list of all building ids in the score change report along with the period ending date used)? If this can be pulled easily, then we would appreciate it. If it requires a bigger effort or re-running of everything, then let us know first as we will see if we can do without.

2 - Could you please send the table that matches 3-year zipcode prefixes with 30-year average HDD and CDD? This will help us evaluate the impact of our change to the as-exprienced HDD and CDD values.

Thank you,

Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov

{In Archive} RE: Two Questions - Score Change Report

Alexandra Sullivan to: Mikulka, Kristine

Cc: Alyssa Quarforth, Denessa Moses

Archive:

This message is being viewed in an archive.

Daßerßkabject

Alexandra Sullivan 08/22/2007 02:37 PM RE: Two Questions - Score Ch

Great, thank you.

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

"Mikulka, Kristine" < Kristine_Mikulka@sra.com>



"Mikulka, Kristine" <Kristine_Mikulka@sra.com> 08/22/2007 02:36 PM

To Alexandra Sullivan/DC/USEPA/US@EPA

CC Denessa Moses/DC/USEPA/US@EPA, Alyssa Quarforth/DC/USEPA/US@EPA

08/22/2007 02:37 PM

Subject RE: Two Questions - Score Change Report

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Thank you,

Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov



{In Archive} RE: Two Questions - Score Change Report

Mikulka, Kristine to: Alexandra Sullivan Cc: Denessa Moses, Alyssa Quarforth

08/23/2007 04:52 PM

History:

This message has been replied to.

Archive:

3

This message is being viewed in an archive.

Mikulka, Kristine

RE: Two Questions - Score Change Report

Alexandra Sullivan

Thanks! Alexandra Sullivan U.S. EPA

1 attachment



climate.xls

Alexandra -

The requested data is attached. We put both worksheets in there; one listing the period ending dates for the buildings in the score comparison and one listing the 30 year average HDD/CDD with 3-digit ZIP code.

Please let me know if you have any more questions.

Kristine

Kristine Mikulka Project Manager kristine mikulka@sra.com 703-284-6913

----Original Message----

From: Sullivan.Alexandra@epamail.epa.gov [mailto:Sullivan.Alexandra@epamail.epa.gov] Sent: Wednesday, August 22, 2007 1:18 PM

To: Mikulka, Kristine

Cc: Moses.Denessa@epamail.epa.gov; Quarforth.Alyssa@epamail.epa.gov

Subject: Two Questions - Score Change Report

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Thank you,

Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov

{In Archive} RE: Two Questions - Score Change Report

Alexandra Sullivan to: Mikulka, Kristine

08/23/2007 05:31 PM

Archive: This message is being viewed in an archive.

RE: Two Questions - Score Change Report

Alexandra Sullivan

Mikulka, Kristine

Thanks! Alexandra Sullivan U.S. EPA

Thanks! Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov

"Mikulka, Kristine" < Kristine_Mikulka@sra.com>



"Mikulka, Kristine" <Kristine_Mikulka@sra.com> 08/23/2007 04:51 PM

To Alexandra Sullivan/DC/USEPA/US@EPA

cc Denessa Moses/DC/USEPA/US@EPA, Alyssa Quarforth/DC/USEPA/US@EPA

Subject RE: Two Questions - Score Change Report

Alexandra -

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Kristine

Kristine Mikulka Project Manager kristine mikulka@sra.com 703-284-6913

----Original Message----

From: Sullivan.Alexandra@epamail.epa.gov [mailto:Sullivan.Alexandra@epamail.epa.gov]

Sent: Wednesday, August 22, 2007 1:18 PM

To: Mikulka, Kristine

Cc: Moses.Denessa@epamail.epa.gov; Quarforth.Alyssa@epamail.epa.gov

Subject: Two Questions - Score Change Report

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Thank you,

Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov



climate.xls



{In Archive} Score Change Analysis - Limits for Sector Reports Lisauskas, Sara

to:

Alexandra Sullivan, Alyssa Quarforth 08/27/2007 01:58 PM

00/2//200

Cc:

"Lien, Jonathan"

Hide Details

From: "Lisauskas, Sara" <SLisauskas@icfi.com>

To: Alexandra Sullivan/DC/USEPA/US@EPA, Alyssa Quarforth/DC/USEPA/US@EPA,

Cc: "Lien, Jonathan" <JLien@icfi.com>

Archive: This message is being viewed in an archive.

1 Attachment

Score Change Analysis - Less than 5 pts.piz

All,

Alexandra and I spoke on Friday about the reports that will go to each sector. We talked about putting statements in each like the one from the healthcare sector below:

- For all hospitals examined X% will experience a change of less than 5 points and only Y% will experience a change of more than 15 points
- For all MOBS examined X% will experience a change of less than 5 points and only Y% will experience a change of more than 15 points

We wanted to determine how the numbers would turn out before we decided on the 5 and 15 point limits. We also assumed that we would need to go to higher limits for offices, banks, courthouses, and possibly K-12 schools. The attached file contains tables with recommended numbers for each sector. I think we can use 5 and 15 for most sectors, and use 10 and 20 for offices, banks, courthouses, and K-12 schools. The Results worksheet contains the recommended limits, and the Pivot Table worksheet contains a pivot table you can use if you want to test other limits.

Sara

Sara Lisauskas ICF International 978-658-1650 slisauskas@icfi.com

{In Archive} Re: Score Change Report

Alyssa Quarforth to: Alexandra Sullivan

08/28/2007 09:44 AM

3	Alexandra Sullivan	Score Change Report
۵	Alyssa Quarforth	I only had one change see in blue I think you just missed a word.

This message is being viewed in an archive.

I only had one change... see in blue. -- I think you just missed a word. The attached documents look good as well.

Aly

Alyssa Quarforth
Program Analyst, Market Sectors Group

ENERGY STAR, Commercial and Industrial Branch Climate Protection Partnerships Division, US EPA

Mail Code: 6202J Washington DC 20460

202.343.9604

Quarforth.Alyssa@epa.gov Alexandra Sullivan/DC/USEPA/US

> Alexandra Sullivan/DC/USEPA/US

To Alyssa Quarforth/DC/USEPA/US@EPA

08/28/2007 09:36 AM

CC

Subject Score Change Report

Aly - Please review this draft email:

Kris,

Two items regarding the score change:





It may be worthwhile to review the outstand questions prior to re-runing the report (per item 1). Therefore, once SRA has reviewed each of these items we can determine the best way to move forward.

Thank you,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov





Parking_Modification.doc Outstanding_ProblemBuildings.xls

{In Archive} Score Change Report

Alexandra Sullivan to: Denessa Moses

Cc: Alyssa Quarforth

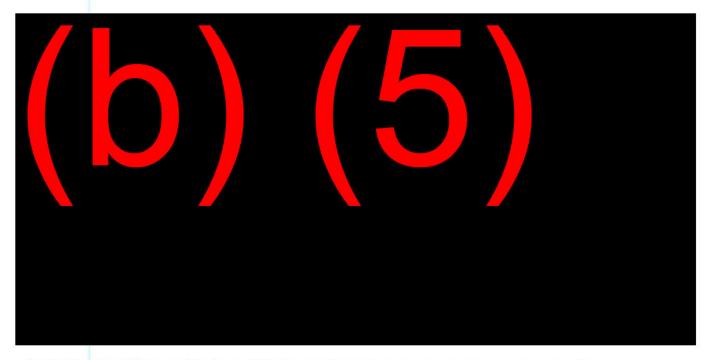
Archive:

This message is being viewed in an archive.

3	ü	Alexandra Sullivan	Score Change Report	

Denessa.

Per our talk, Aly and I have two items for SRA regarding the score change report. Could you please forward to Kris?



It may be worthwhile to review the outstanding questions prior to re-runing the report (per item 1). Therefore, once SRA has reviewed each of these items we can determine the best way to move forward.

Thank you,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 08/28/2007 09:53 AM

sullivan.alexandra@epa.gov





Outstanding_ProblemBuildings.xls Parking_Modification.doc



{In Archive} Fw: Score Change Report

Denessa Moses to: Alyssa Quarforth, Alexandra Sullivan

08/29/2007 02:25 PM

History:

This message has been replied to.

Archive:

This message is being viewed in an archive.

Da Seer Bluebject					
Alexandra Sullivan	08/29/2007 02:45 PM	Re: Fw: Score Change Report			

----- Forwarded by Denessa Moses/DC/USEPA/US on 08/29/2007 02:25 PM -----



"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

To Denessa Moses/DC/USEPA/US@EPA

08/29/2007 11:29 AM

CC

Subject RE: Score Change Report

Denessa -

Steve said he can provide the updated report by midday Friday barring there are no problems finishing the wastewater report to be sent to EPA on Friday. If there are any delays we will let you know.

For part two Steve won't be able to look at the questions till Tuesday morning. (We have the holiday on Monday) He will then take a look and determine how long it will take him to provide feedback.

Please let me know if this is okay.

Thanks, Kristine

----Original Message----

From: Moses.Denessa@epamail.epa.gov [mailto:Moses.Denessa@epamail.epa.gov] Sent: Tuesday, August 28, 2007 9:58 AM

To: Mikulka, Kristine

Subject: Fw: Score Change Report

Importance: High

Kris, please take a look and let me know when you can have a new report to EPA.

Thanks, Denessa

---- Forwarded by Denessa Moses/DC/USEPA/US on 08/28/2007 09:56 AM

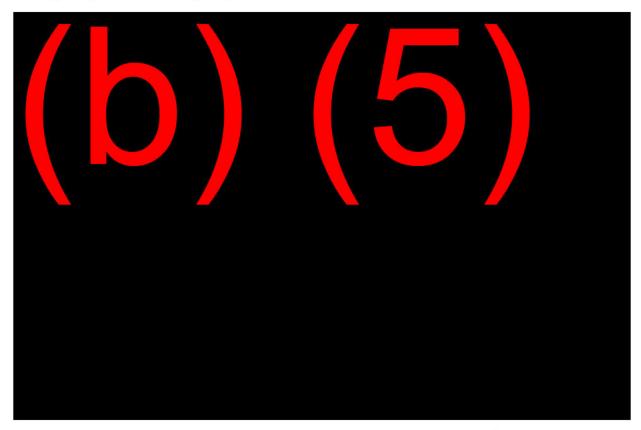
Alexandra Sullivan/DC/USEP A/US

08/28/2007 09:53 AM Denessa Moses/DC/USEPA/US@EPA

cc
Alyssa Quarforth/DC/USEPA/US@EPA
Subject
Score Change Report

Denessa,

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It may be worthwhile to review the outstanding questions prior to re-runing the report (per item 1). Therefore, once SRA has reviewed each of these items we can determine the best way to move forward.

Thank you,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

(See attached file: Outstanding_ProblemBuildings.xls)(See attached file: Parking_Modification.doc)

{In Archive} Re: Fw: Score Change Report

Alexandra Sullivan to: Denessa Moses

Cc: Alyssa Quarforth

to. Deflessa Moses

08/29/2007 02:45 PM

Archive:

This message is being viewed in an archive.

	Da Ser Soletoject		
~ 3 7	Alexandra Sullivan	08/29/2007 02:45 PM	Re: Fw: Score Change Report

Denessa,

This is okay with me (in case you hadn't gotten back to Kris yet)

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

Denessa Moses/DC/USEPA/US



Denessa Moses/DC/USEPA/US

08/29/2007 02:25 PM

To Alyssa Quarforth/DC/USEPA/US, Alexandra Sullivan/DC/USEPA/US

CC

Subject Fw: Score Change Report

---- Forwarded by Denessa Moses/DC/USEPA/US on 08/29/2007 02:25 PM -----



"Mikulka, Kristine" <Kristine_Mikulka@sra.com>

To Denessa Moses/DC/USEPA/US@EPA

08/29/2007 11:29 AM

CC

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To: Mikulka, Kristine

Subject: Fw: Score Change Report

Importance: High

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Thanks, Denessa

---- Forwarded by Denessa Moses/DC/USEPA/US on 08/28/2007 09:56 AM

Alexandra Sullivan/DC/USEP A/US

08/28/2007 09:53

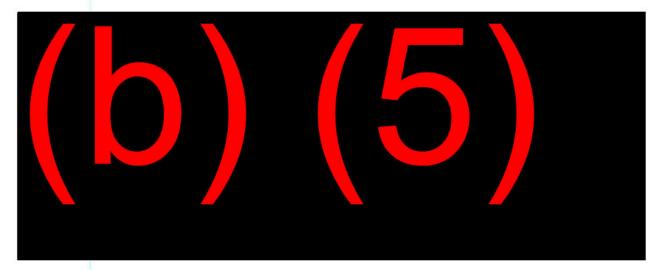
AM

To Denessa Moses/DC/USEPA/US@EPA CC Alyssa Quarforth/DC/USEPA/US@EPA Subject Score Change Report

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Alexandra Sullivan

U.S. EPA
ENERGY STAR
Mail Code 6202J
Washington, DC 20460
202.343.9040
sullivan.alexandra@epa.gov

(See attached file: Outstanding_ProblemBuildings.xls) (See attached file: Parking_Modification.doc)

{In Archive} Quick Questions on Score Changes

Alexandra Sullivan to: Kristine_Mikulka, Murray, Steve

Cc: Denessa Moses, Alyssa Quarforth

Archive:

This message is being viewed in an archive.

	Sender	Sender	Date	Subjec
<u> </u>	Alexandra Sullivan	Alexandra Sullivan	08/30/2007 11:53 AM	Quick (

Steve/Kris

In the score change report, I would like to clarify the way the column OldWNSource is calculated. From the original score change email (5/31) you said:

" Old WN Source – the weather-normalized source energy consumption, using the old weather norm routine currently in PM "

Does this mean that the Old WN Source number is using the old source energy conversion factors, too? Or is it using the new source energy conversion factors but with the old normalization routine. Either is fine, but we need to know which it is in order to understand the changes in ratings due to the Weather Normalization Changes.

Thanks,

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov 08/30/2007 11:53 AM

{In Archive} RE: Quick Questions on Score Changes

Alexandra Sullivan to: Murray, Steve

Cc: Alyssa Quarforth, Denessa Moses, "Mikulka, Kristine"

Archive:

This message is being viewed in an archive.

]	Dather Maleboject							
` <i>3</i>	Alexandra Sullivan	08/30/2007 02:18 PM	RE: Quick Questions on Score					

Great, thanks!

This is what we thought, but we wanted toconfirm.

Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

"Murray, Steve" <Steve_Murray@sra.com>



"Murray, Steve" <Steve_Murray@sra.com> 08/30/2007 12:14 PM

- To Alexandra Sullivan/DC/USEPA/US@EPA, "Mikulka, Kristine" <Kristine Mikulka@sra.com>
- CC Denessa Moses/DC/USEPA/US@EPA, Alyssa Quarforth/DC/USEPA/US@EPA

Subject RE: Quick Questions on Score Changes

Alexandra:

The "Old WN Source" column is using the old source conversion factors - i.e. the numbers as they are currently on our Production database/web site.

-Steve

----Original Message----

From: Sullivan.Alexandra@epamail.epa.gov [mailto:Sullivan.Alexandra@epamail.epa.gov] Sent: Thursday, August 30, 2007 11:54 AM

To: Mikulka, Kristine; Murray, Steve

Cc: Moses.Denessa@epamail.epa.gov; Quarforth.Alyssa@epamail.epa.gov

Subject: Quick Questions on Score Changes

08/30/2007 02:18 PM

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Alexandra Sullivan

U.S. EPA ENERGY STAR Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

{In Archive}	Re:	Updated	Score	Comparison	Report	9
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Alexandra Sullivan to: Mikulka, Kristine

Cc: Alyssa Quarforth, Denessa Moses

08/31/2007 01:05 PM

Archive:

This message is being viewed in an archive.

	Sender	Sender	Date	Subjec
3	Mile kandra stillivan	88/34/1/2016/1919:65 PM		Re: Updated Score Compariso

Kris,

No problem, we understand. Next week will be fine.

Thanks.

Alexandra Sullivan

U.S. EPA **ENERGY STAR** Mail Code 6202J Washington, DC 20460 202.343.9040 sullivan.alexandra@epa.gov

"Mikulka, Kristine" < Kristine_Mikulka@sra.com>



"Mikulka, Kristine" <Kristine_Mikulka@sra.com> 08/31/2007 01:01 PM

To Denessa Moses/DC/USEPA/US@EPA, Alexandra Sullivan/DC/USEPA/US@EPA, Alyssa Quarforth/DC/USEPA/US@EPA

CC

Subject Updated Score Comparison Report

All -

I wanted to let you know that Steve will not be able to get the corrected version of the report out today.

h	(6)		He soid he would	ant it to view on	Tuesday Ib	and that is also.	1 f
U	(0)		He said he would	get it to you on	Tuesday, IT	tope that is okay.	am sorry to
01	w inconv	enience this ma					
al	IV IIICOIIV	enience unis ma	av cause.				

Kristine

Kristine Mikulka

Project Manager kristine mikulka@sra.com 703-284-6913



{In Archive} RE: Updated Score Comparison Report
Mikulka, Kristine to: Denessa Moses, Alexandra Sullivan, Alyssa
Quarforth

09/05/2007 03:41 PM

- in idlance and		
History:	This message has been forwarded.	
Archive:	This message is being viewed in an archive.	
Da % er	Blab ject	
All –		
All –		
	the link to the updated report below. Please let me know if	
for the dela	any problems accessing the file or have any questions. Sorry av.	
Thanks, K	ristine	
https://ess	taging.sradev.com/istar/pmpam/distro/sc 20070904.zip	
Kristin	ie Mikulka	
Project Ma		
	ikulka@sra.com	
703-284-69	913	
	kulka, Kristine	
	ay, August 31, 2007 1:02 PM	
	s.Denessa@epamail.epa.gov'; lexandra@epamail.epa.gov';	
	Alyssa@epamail.epa.gov	
Subject:	Updated Score Comparison Report	
All –		
	blet you know that Steve will not be able to get the corrected the report out today. (b) (6)	
0) (6)		
) (6)	He said he would get it to you on Tuesday, I hope	
ulat is oka	y. I am sorry for any inconvenience this may cause.	
Kristine		

Kristine Mikulka

Project Manager kristine mikulka@sra.com 703-284-6913